

Claims

What is claimed is:

1. A system to transport products at consistent temperatures, specifically blood products, antibodies, cells or biologically produced pharmaceuticals, by means of a container which stores and thus labels the product which is made from double walls filled with a temperature regulating fluid and maintains consistent temperatures.
2. The system according to claim 1, is thus characterised as the container is made up of two double walled shells which can be attached together by a clip along the longest sides of it.
3. The system according to claim 1, is thus characterised as the container is made up of two double walled shells and also a double walled complimentary ring, which can be attached together by a clip along the longest sides of it.
4. The system according to claim 1, is thus characterised as the container is filled with paraffin or a carrier immobilised paraffin as a temperature regulator.
5. The system according to claim 4, is thus characterised as the paraffin shows a condition between fluid and solid at temperatures between 2° C and 8° C or 20° C and 24° C.
6. The system according to claim 4, is thus characterised as above 0° C n-hydrocarbons can be used, namely n-paraffins with the formula C_nH_{2n+2} .
7. The system according to claim 1, is thus characterised as the container is filled with a watery saline solution or an ethanol-water mix as a temperature medium which has a consistency between fluid and solid at temperatures between -20° C and -40° C.
8. The system according to claim 1, is thus characterised as the container is filled with a buthandiol water mix as a temperature medium which has a consistency between fluid and solid at temperatures between 20°C and 24°C.
9. The system according to claim 1, is thus characterised as the double wall is transparent, specifically made from a transparent plastic.
10. The system according to claim 1, is thus characterised as the double wall is made from an impervious plastic such as Kevlar, or from metals such as aluminium or iron.
11. The system according to claim 1, is thus characterised as the double wall has an outside locking mechanism.
12. The system according to claim 2, is thus characterised as the container consists of two double walled shells which can be sealed along the longer sides with a clip.

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13. The system according to claim 3, is thus characterised as the container consists of two double walled shells and a complementary double walled ring which can be sealed along the longer sides with a clip.
14. The system according to claim 11 or 12, is thus characterised as the container is fitted with an eyelet which allows for sealing.
15. The system according to claim 2, is thus characterised as the container made from two double walled shells that are fitted with tongues and grooves along the longer sides.
16. The system according to claim 2, is thus characterised as the container made from two double walled shells and a complementary double walled ring that are fitted with tongues and grooves along the longer sides.
17. The system according to claim 2 or 3, is thus characterised as the container made from two double walled shells and/or a complementary double walled ring are attached with a moveable hinge.
18. The system according to claim 2 or 3, is thus characterised as the container has a carrying strap.
19. The system according to claim 2 or 3, is thus characterised as the container made from two or three complementary double walled shells which enclose a space intended to store products is fitted with a thermometer, specifically a self adhesive strip thermometer or a liquid crystal thermometer and/or an electronically readable temperature guage.

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